SEQUENCE LISTING

<110> Cooper, Denise R
Patel, Niketa A

<120> Introduction of a Glucose-Regulated Instability Element Via Alternative Exon Inclusion of PKCBII mRNA in Vascular Smooth Muscle Cells

<130> 114205-1200 Corrected

<140> 09/435,471
<141> 1999-11-08

<160> 14

<170> PatentIn Ver. 2.1

<210> 1
<211> 7
<212> PRT
<213> Homo sapiens

<220>
<223> Xaa at amino acid residues 2-6 is any amino acid residue.

<400> 1
Cys Xaa Xaa Xaa Xaa Xaa Arg
1 5

<210> 2
<211> 11
<212> PRT
<213> Homo sapiens

<220>
<223> Xaa at amino acid residue 1 is Ile or Val; Xaa at amino acid residue 10 is Ser or Thr; Xaa at amino acid residues 4 and 7 is any amino acid residue.

<400> 2
Xaa His Cys Xaa Ala Gly Xaa Gly Arg Xaa Gly
1 5 10

<210> 3

<211> 9
<212> PRT
<213> Homo sapiens

<220>
<223> Xaa at residue positions 3-4, and 6-7 is any amino acid residue; Xaa at amino acid residue 9 is Ser or Thr.

<400> 3
His Cys Xaa Xaa Gly Xaa Xaa Arg Xaa
1 5

<210> 4
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: oligonucleotide primer

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C1

<210> 5
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: oligonucleotide primer

<400> 5
gcattctagt cgacaagagt ttgtcagtgg gag 33

<210> 6
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: oligonucleotide primer

<400> 6
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<210> 7
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
oligonucleotide primer

<400> 7
aaccagcacg ttgcccagga g 21

<210> 8
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<223> Description of Artificial Sequence:
oligonucleotide primer

C1 <400> 8
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<210> 9
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<220>
<223> Description of Artificial Sequence:
oligonucleotide primer

<400> 9
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<210> 10
<211> 351
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<213> Human PKC Beta II

<400> 10
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gaaggatttc ctttgttaac tctgaatttt taaaacccga agtcaagagc tagtagatct 180
gtagacctcc gtccttcatt tctgtcattc aagctcacag ctatcatgag agacaagcga 240
gacacctcca acttcgacaa aagttcacca ggcagcctgt ggaactgact cccactgaca 300
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<210> 11
<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<223> metabolite responsive instability element

<220>
<223> Description of Artificial Sequence: nucleic acid construct

<400> 11
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C1

<210> 12
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<212> RNA
<213> Human PKC Beta II

<400> 12
uuuuaaacca aaagcuuuuu gggcgaaacg cugaaacuuc gaccgguuuu ucacccgcca 60
uccaccaguc cuaacaccuc cgaccaggaa gucaucagga auauugacca aucagaauuc 120
gaaggauuuc cuuuguuaac ucugaauuuu uaaaacccga agucaagagc uaguagaucu 180
guagaccucc guccuucauu ucugucauuc aagcucacag cuaucaugag agacaagcga 240
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<210> 13
<211> 175
<212> RNA
<213> Human PKC Beta II

<400> 13
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uccaccaguc cuaacaccuc cgaccaggaa gucaucagga auauugacca aucagaauuc 120
gaaggauuuc cuuuguuaac ucugaauuuu uaaaacccga agucaagagc uagua 175

C1
(end)

<210> 14
<211> 137
<212> RNA
<213> Human PKC Beta II

<400> 14
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uccaccaguc cuaacaccuc cgaccaggaa gucaucagga auauugacca aucagaauuc 120
gaaggauuuc cuuuguu 137